# This Page Is Inserted by IFW Operations and is not a part of the Official Record

### **BEST AVAILABLE IMAGES**

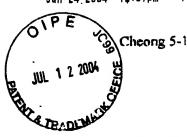
Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

## IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#### PATENT APPLICATION

INVENTORS: Sang-Wook Cheong

Namiune Hur

**CASE: 5-1** 

tamilmis tre

Serial No.: 09/885,471

Group Art Unit: 1762

Filed:

June 20, 2001

Title:

MgB<sub>2</sub> Superconductors

10 Commissioner for Patents P.O. Box 1450 Alexandría, VA 22313-1450

SIR:

15

25

30

#### SUPPLEMENTAL DECLARATION UNDER 37 C.F.R. 1.131

We the Declarants, Sang-Wook Cheong and Namjung Hur, state that:

- 1. On Aug. 28, 2003, we signed a Declaration under 37 C.F.R. 1.131 for submission along with supporting Exhibits 1 4 in the above-referenced patent application. Herein, our Declaration of Aug. 28, 2003 is referred to as Our Earlier Declaration.
  - 2. Paragraph 14 of Our Earlier Declaration describes experiments performed by Nanjung Hur to obtain pellets of MgBr<sub>2</sub> and associated Sample and Machine Log Notebook pages of Exhibits 2 and 3. A copy of one of these Notebook pages is attached Exhibit R and was dated Feb. 27, 2001 by Mr. Hur. A copy of the other of these Notebook pages is attached Exhibit C and was dated Feb. 28, 2001 by Mr. Hur. Mr. Hur prepared both Notebook pages in the U.S.A.
  - 3. With respect to paragraphs 13 15 of Our Earlier Declaration, attached Exhibits D and E show other pages from Mr. Hur's Machine Log Notebook. Mr. Hur prepared both Notebook pages in the U.S.A. Exhibit D is a copy of a page of the Notebook that Mr. Hur dated Mar. 1, 2001. The page records preparations by Mr. Hur on sample BB 146 for obtaining an MgBr<sub>2</sub>

#### Cheong 5-1

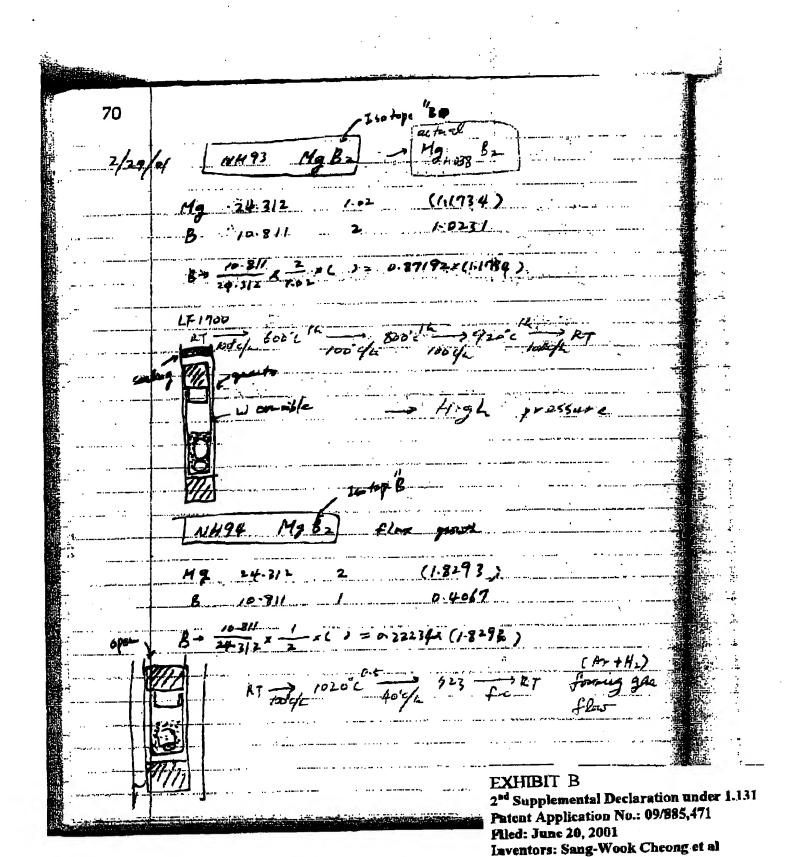
pellet. Exhibit E is a copy of a page of the Notebook that Mr. Hur dated March 2, 2001. The page records preparations by Mr. Hur on sample BB 147 for obtaining an MgBr2 pellet.

Herein, we certify that all statements made of our own knowledge are true and that all 4. statements made on information and belief are believed to be true. We also understand that 5 willful false statements and the like are punishable by fine, imprisonment or both under 18 U.S.C. 1001 and that willful false statements and the like may jeopardize the validity of the application-at-issue or any patent issuing thereon.

10

Date: June 24, 2004

Date: June Z# 2004



ü<sub>F.</sub>

732-445-4348

T-128 P. DOR/014 F-882

From Doot. of Physics & Astronomy

=nver en en en nev?

L2&LL72 4n Lm9??2 4ttmm 4n == ?2n √?m =n =2 ==

BIS 2200 5500 620 = 5500 ЕХНІВІТ С 2nd Supplemental Declaration under 1.131 Patent Application No.: 09/885,471 Filed: June 20, 2001 Inventors: Sang-Wook Cheong et al

Aug-04-2003 DB:55-m

Fram-Dapt. of Physics & Astronomy

782-446-4848

T-128 P.009/014 F-892

HaBz (Alfa) BBZ BR 145 3000 UK LR 2000 6200 5500 1500 UR T= 250°C 1400 6100 330D 400 C 100014 EXHIBIT D 2<sup>ml</sup> Supplemental Declaration under 1.131 Patent Application No.: 09/885,471 Filed: June 20, 2001 Inventors: Sang-Wook Cheong et al

A46-04-2003 08:5828

Inventors: Sang-Wook Cheong et al

From-Dept. of Physics & Astronomy

Y82-445-434E

T-128 P.819/014 F-892

## Copyright © 2003 EBSCO Publishing

٠,			· · · · · · · · · · · · · · · · · · ·	landing.
8			4	
•				
3/2/21	BB 147	Hg B. (1	(fa)	
1401				
( 100)		. 18 4 - 0	فعاد است مساحدات و مند شر شاها شاوانها و معرف مساوستان و مساوستان و مساوستان و مساوستان و مساوستان و مساوستان و	
1/4/	T- RI	UR 3100		
	— با مصرحت کی در بازدر این	LR 2000	۵۰٬۹۱۸ و ۵۰٬۰۰۰ مستانه در در حود مهند پوروز <del>سته دار د در د د د د</del>	
	Find: 41°	C: UR 63	00	
	, <del>7</del> 1	LR 420		
	ş · \$			212
	IT		- L	
	poide	1000cfh	fe	
bet the			ت و در ما الله الله الله الله الله الله الله ا	
	·		، سمر ما ما دوم الموساليات المساليات المساليات المساليات المساليات المساليات المساليات المساليات المساليات المساليات	
	And the second s	The second secon	الما المساحة المنظمة ا 	
	· · · · · · · · · · · · · · · · · · ·			
		•		
The state of the s		وية مثلاث والمناسسة عن والمناسسة عندا منز وإنا الرابية والمناورة والمناسسة والمناسة والمناسسة وا	~~ - hand the same of the same	
			and the state of t	
			ىلىدىنى ئىلىدىنى ئىل ئىلىدىنى ئىلىدىنى ئى	
	رود شده ا چوچای بیش بیش داده است. د		EXHIBIT E	
	المَّلُّةُ الْمُعْمُ الْمُعْمُ فِي فِي وَمِنْ مَنْ مِنْ فِي المِنْ فِي الْمُعْمُ فِي الْمُعْمُ فِي الْمُعْمِّ * والمُن المُعْمُ المُن المُعْمُ المُعْمُ فِي الْمُعْمُ فِي الْمُعْمِدُ اللَّهِ فِي المُعْمِدُ اللَّهِ فِي الم	· · · · · · · · · · · · · · · · · · ·	2 <sup>nd</sup> Supplemental Dec Patent Application No Filed: June 20, 2001	laration under n.: 09/885,471